



Safeguard Enterprise Data from Modification or Deletion

Object immutability allows enterprises to meet data storage regulatory and compliance requirements with ease.

Challenge Summary

Regulatory and compliance requirements for digitally stored information continue to increase for enterprises worldwide. To meet these standards, enterprises require a trusted and secure storage solution to preserve their data with best-in-class protection and security.

Benefits Summary

- Compliant S3 storage as a service that scales without limits
- Protects data from unwanted changes or deletions with user-defined retention periods
- Simplifies compliance by allowing enterprises to align retention periods with industry-specific requirements
- Simple pricing means users pay only for the storage they use—object immutability is included free of charge
- All data encrypted at rest and in flight
- Ransomware protection for data stored with immutable objects

Lyve™ Cloud from Seagate® leverages immutable object storage to protect enterprise data from unwanted modifications. The object immutability feature is included at no additional cost, which means enterprises pay only for the storage they use. Designed to protect data from modification or deletion, object immutability is essential for cases in which it is crucial for data to remain unchanged.



Lyve Cloud S3 storage as a service is crafted for business-critical protection, allowing enterprises to scale without limits. Prioritizing data security and sustainability, Lyve Cloud leverages object immutability to protect enterprises from data loss and ransomware. With compliance mode turned on at the bucket level, enterprises can easily integrate and use immutable storage when needed—all without upfront capacity allocation or technology investments.



Data Integrity:

When compliance mode is enabled, Lyve Cloud provides object immutability at the bucket level to protect enterprise data from unwanted changes or deletions. With immutable bucket storage, data remains untouched and preserved. Retention times can be configured per S3 bucket for different applications and support a variety of data retention and compliance policies.



Trusted Protection:

Lyve Cloud employs write-once-read-many (WORM) protection on buckets with immutability enabled. This functionality allows data to be written to buckets while prohibiting changes or deletions to the objects. Once object immutability is enabled, versioning is automatically authorized to ensure that no one—not even the Lyve Cloud admin—can modify or delete the data objects within the retention period. This is particularly useful for maintaining business records and protection against ransomware and malicious attacks. Additionally, all data is encrypted from the first instance it is created and remains encrypted at rest and in flight.



Business Compliance:

Enterprises have the option to enable object immutability at the bucket level for a set retention period of their choice to satisfy their archival demands. Once an object is written to a bucket, the set retention period begins. Enterprises also have the option of enabling S3 API audit logs, IAM audit logs, and console audit logs to keep detailed records of activity for audit functions and track suspicious activity. Replication rules can be applied from bucket to bucket to move data closer to the end user. With identical settings, enterprise data maintains consistent protection. This ability allows businesses to comply with mandatory regulations such as regional tax regulatory requirements, Health Insurance Portability and Accountability Act (HIPAA) for healthcare organizations, Federal Information Security Management Act (FISMA), and more.



Predictable Cost:

Seagate prioritizes security first. Object immutability is available for free, making data governance affordable and convenient to use. With Lyve Cloud, enterprises only pay for the data storage they use for however long they use it. This provides users with the ability to control data without worrying about additional fees and unforeseen extras. Lyve Cloud's predictive cost model makes it simple for enterprises to store more data for longer to maximize that data's potential.



Use Cases

Lyve Cloud's compliance mode with WORM-like protection is essential to preserving data for business-critical records. Industries such as healthcare, law enforcement, video and imaging, government agencies, financial institutions, and others all rely on data protection.

High-level security and preservation are critical to these industries to access health records, video imaging data, or trading records. For example, if a video and imaging company requires security footage to be stored for five years after collection, the business can simply set the retention period to five years within its storage bucket. Not only will the data be accessible, but it will also remain untouched and intact for the entirety of the five-year period.



Conclusion

Lyve Cloud's compliance mode—with its immutable object storage capabilities and audit logs—provides enterprises with the flexibility to decide the duration of data retention. Ultimately, this enables enterprises to meet business compliance requirements with assurance that their data will always remain protected.

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